RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the RMA Tire Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission of their monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those developed by the Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenger service tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from factory to site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, cane and rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, baggage, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tractors. This category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by the U.S. government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the exception of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data is listed by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign countries into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cuppies Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
Lee Tire & Rubber Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

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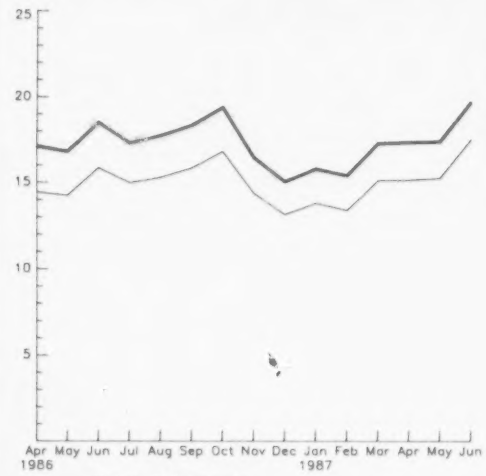
4/10/87 A8810-1

MONTHLY TIRE REPORT

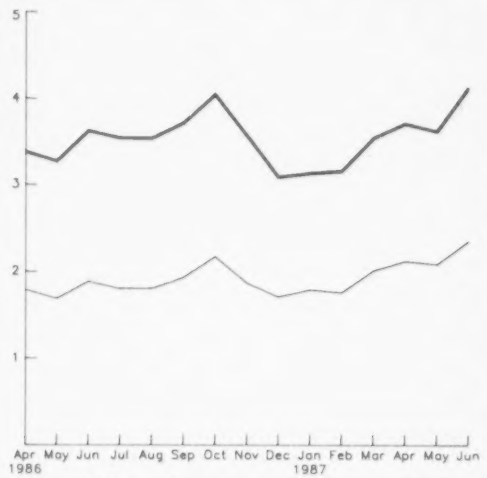
June 1987

This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies so that the figures presented will represent 100% of the domestic U.S. tire market.

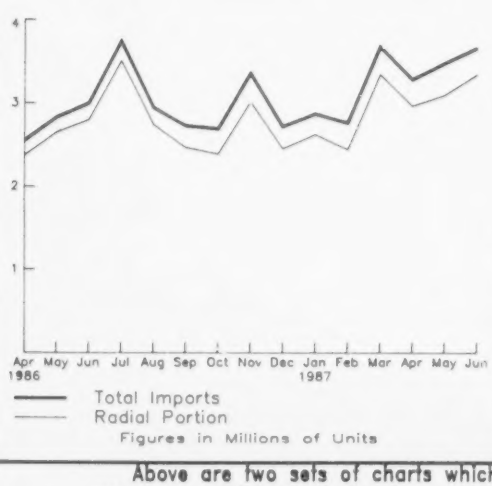
PASSENGER TIRE SHIPMENTS



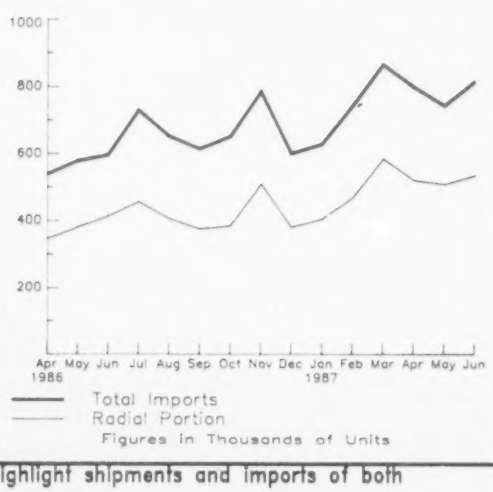
TRUCK & BUS TIRE SHIPMENTS



PASSENGER TIRE IMPORTS



TRUCK & BUS TIRE IMPORTS



Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for fifteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. June 1987 total shipments are up +6.6% from June 1986 for passenger tires, and up +13.8% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1986, passenger tire imports increased 101.1%, and truck and bus tire imports grew by 104.8%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: August 31, 1987

PASSENGER TIRES	June 1987	June 1986	% CHANGE	YTD 1987	YTD 1986	% CHANGE
Shipments						
Original Equipment	4,472	4,928	-9.25	28,906	29,122	-0.74
Radial	3,800	4,149	-8.41	24,450	24,400	+0.20
Replacement	14,703	13,317	+10.41	71,215	67,694	+5.20
Radial	13,242	11,523	+14.92	63,362	57,995	+9.25
Export	533	242	+120.25	2,714	1,859	+45.99
Radial	454	165	+175.15	2,346	1,402	+67.33
Total	19,708	18,487	+6.60	102,835	98,675	+4.22
Radial	17,496	15,837	+10.48	90,158	83,797	+7.59
Production	13,709	12,252	+11.89	83,718	79,290	+5.58
Radial	12,049	10,231	+17.77	72,884	66,828	+9.06
Ending Inventory	30,503	31,755	-3.94	-	-	-
Radial	27,036	27,645	-2.20	-	-	-
TRUCK & BUS TIRES						
Shipments						
Original Equipment	673	604	+11.42	4,040	3,641	+10.96
Radial	450	404	+11.39	2,818	2,417	+16.59
Replacement	3,280	2,912	+12.64	16,306	14,933	+9.19
Radial	1,773	1,419	+24.95	8,621	7,064	+22.04
Export	168	104	+61.54	941	683	+37.77
Radial	124	59	+110.17	662	420	+57.62
Total	4,121	3,620	+13.84	21,287	19,257	+10.54
Radial	2,347	1,882	+24.71	12,101	9,901	+22.22
Production	2,839	2,395	+18.54	17,696	15,636	+13.17
Radial	1,607	1,152	+39.50	10,032	7,522	+33.37
Ending Inventory	7,369	8,254	-10.72	-	-	-
Radial	4,449	4,350	+2.28	-	-	-
MOBILE HOME						
Shipments						
Original Equipment	72	61	+18.03	342	330	+3.64
Replacement	7	2	+250.00	47	42	+11.90
Export	-	-	-	-	-	-
Total	79	63	+25.40	389	372	+4.57
Production	77	51	+50.98	317	289	+9.69
Ending Inventory	42	106	-60.38	-	-	-
TRACTOR IMPLEMENT						
Shipments						
Original Equipment	51	42	+21.43	277	280	-1.07
Replacement	237	204	+16.18	1,370	1,260	+8.73
Export	19	11	+72.73	113	95	+18.95
Total	307	257	+19.46	1,760	1,635	+7.65
Production	245	222	+10.36	1,520	1,416	+7.34
Ending Inventory	590	692	-14.74	-	-	-
INDUSTRIAL & UTILITY						
Shipments						
Original Equipment	605	380	+59.21	4,248	3,877	+9.57
Replacement	186	180	+3.33	1,127	1,009	+11.69
Export	4	19	-78.95	124	113	+9.73
Total	795	579	+37.31	5,499	4,999	+10.00
Production	743	590	+25.93	4,588	3,986	+15.10
Ending Inventory	1,530	2,179	-29.78	-	-	-
INNER TUBES*						
Total Shipments						
Passenger & Motorcycle	559	617	-9.40	2,960	3,386	-12.58
Truck & Bus	1,403	1,400	+0.21	7,159	7,077	+1.16
Tractor-Implement	283	206	+37.38	1,366	1,242	+9.98
Industrial & Utility	198	176	+12.50	1,018	902	+12.86

* Inner Tube figures are for shipments only, not production.

In order to avoid possible double counting, export figures are as reported to RMA and will vary from data in government reports. This report is available from RMA at a $500.00 subscription rate. Year-end reports are available at $500.00 each. Figures may not add due to rounding. For further detail on tire and tube exports, refer to the RMA 501 report.

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES		
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes
1986												
January	2,332	225	125	50	275	177	177	3	46	424	233	327
February	2,251	155	96	57	247	171	180	2	82	292	175	449
March	2,296	213	109	78	298	157	165	4	64	372	218	360
April	2,371	178	113	86	231	107	118	5	47	255	172	308
May	2,650	179	110	68	270	130	252	2	42	244	204	313
June	2,798	198	110	66	303	117	180	3	42	468	203	336
CUMULATIVE	14,698	1,149	663	406	1,624	859	1,071	18	323	2,055	1,206	2,093
July	3,506	236	119	112	337	161	156	4	91	361	261	395
August	2,734	205	89	76	315	170	104	4	74	344	177	290
September	2,462	260	84	106	289	134	86	4	46	310	148	243
October	2,382	303	89	101	295	166	146	4	51	383	130	235
November	3,015	342	105	81	404	195	160	5	83	343	180	396
December	2,449	265	65	65	314	155	116	2	85	281	143	210
ANNUAL	31,246	2,759	1,213	946	3,578	1,840	1,838	40	752	4,077	2,244	3,862
1987												
January	2,625	247	106	56	298	168	187	2	28	301	140	328
February	2,440	320	146	121	323	152	169	6	35	416	137	413
March	3,345	334	161	107	424	173	166	2	43	292	155	441
April	2,961	318	167	112	352	167	143	3	50	285	136	422
May	3,095	385	169	76	339	159	160	6	52	364	169	388
June	3,345	317	141	89	395	192	168	3	81	253	153	407
CUMULATIVE	17,811	1,921	890	561	2,131	1,011	993	23	289	1,910	890	2,398
July												
August												
September												
October												
November												
December												
% Change Month	8.1	-17.7	-16.6	17.1	16.5	20.8	5.0	-50.0	55.8	-30.5	-9.5	4.9
% Change Month 87 vs. 86	19.5	60.1	28.2	34.8	30.4	64.1	-6.7	.0	92.9	-45.9	-24.6	21.1
% Change Cumulative	21.2	67.2	34.2	38.2	31.2	17.7	-7.3	27.8	-10.5	-7.1	-26.2	14.6

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

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9/30/87 A8810-1

RMA Industry Report

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RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

MONTHLY TIRE REPORT

July 1987

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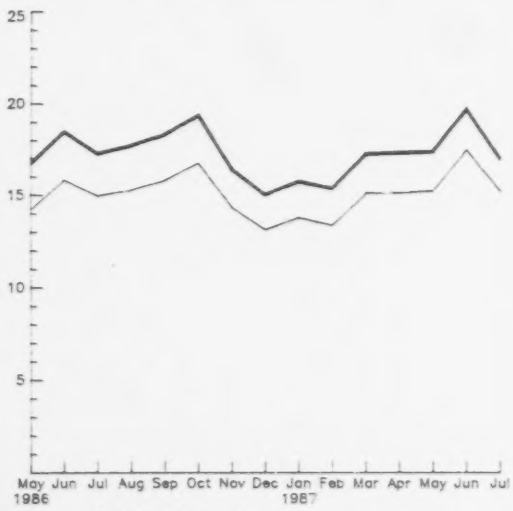
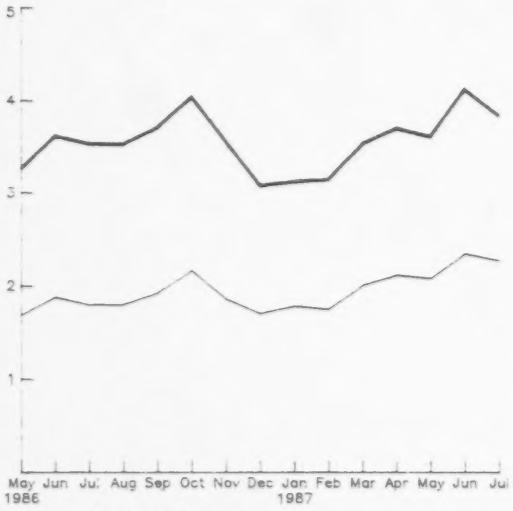


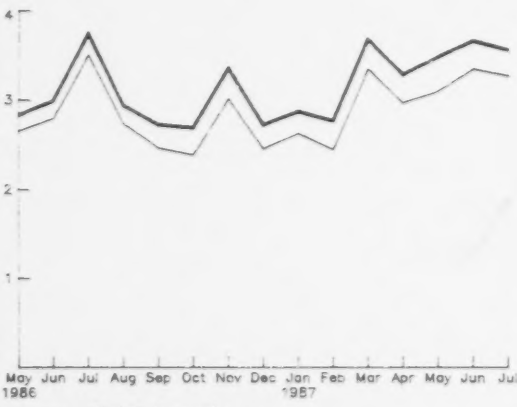
Figures in Millions of Units

TRUCK & BUS TIRE SHIPMENTS



Figures in Millions of Units

PASSENGER TIRE IMPORTS



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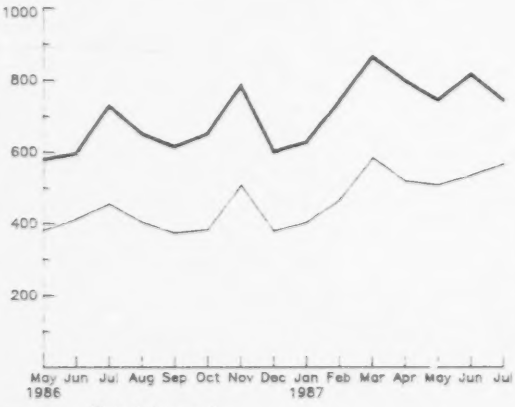

Figures in Thousands of Units

Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for fifteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. July 1987 total shipments are up +8.7% from July 1986 for passenger tires, and up +19.6% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1986, passenger tire imports increased 101.1%, and truck and bus tire imports grew by 104.8%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: September 21, 1987

PASSENGER TIRES	July 1987	July 1986	% CHANGE	YTD 1987	YTD 1986	% CHANGE
Shipments						
Original Equipment	2,987	3,480	-14.17	31,893	32,602	-2.17
Radial	2,572	2,930	-12.22	27,022	27,330	-1.13
Replacement	13,483	11,826	+14.01	84,698	74,438	+13.78
Radial	12,206	10,259	+18.98	75,568	63,819	+18.41
Export	507	316	+60.44	3,222	2,175	+48.14
Radial	446	244	+82.79	2,792	1,646	+69.62
Total	16,977	15,622	+8.67	119,813	109,215	+9.70
Radial	15,224	13,433	+13.33	105,382	92,795	+13.56
Production	13,011	11,882	+9.50	96,729	91,172	+6.10
Radial	11,556	10,205	+13.24	84,439	77,033	+9.61
Ending Inventory	30,256	30,176	+0.27	-	-	-
Radial	26,777	26,461	+1.19	-	-	-
TRUCK & BUS TIRES						
Shipments						
Original Equipment	618	498	+24.10	4,658	4,138	+12.57
Radial	420	332	+26.51	3,238	2,749	+17.79
Replacement	3,048	2,631	+15.85	19,354	16,161	+19.76
Radial	1,733	1,271	+36.35	10,355	7,619	+35.91
Export	169	78	+116.67	1,109	762	+45.54
Radial	117	46	+154.35	779	466	+67.17
Total	3,835	3,207	+19.58	25,121	21,061	+19.28
Radial	2,270	1,649	+37.66	14,372	10,834	+32.66
Production	2,785	2,321	+19.99	20,480	17,956	+14.06
Radial	1,559	1,135	+37.36	11,590	8,657	+33.88
Ending Inventory	7,088	7,860	-9.82	-	-	-
Radial	4,311	4,211	+2.37	-	-	-
MOBILE HOME						
Shipments						
Original Equipment	72	57	+26.32	414	387	+6.98
Replacement	19	4	+375.00	67	46	+45.65
Export	-	-	-	-	-	-
Total	91	61	+49.18	481	433	+11.09
Production	82	63	+30.16	400	352	+13.64
Ending Inventory	54	114	-52.63	-	-	-
TRACTOR IMPLEMENT						
Shipments						
Original Equipment	55	41	+34.15	332	321	+3.43
Replacement	235	206	+14.08	1,106	1,466	-24.56
Export	14	10	+40.00	127	106	+19.81
Total	304	257	+18.29	1,565	1,893	-17.33
Production	234	202	+15.84	1,754	1,618	+8.41
Ending Inventory	540	658	-17.93	-	-	-
INDUSTRIAL & UTILITY						
Shipments						
Original Equipment	337	278	+21.22	4,526	3,102	+45.91
Replacement	125	293	-57.34	1,421	3,408	-58.30
Export	25	10	+150.00	149	123	+21.14
Total	487	581	-16.18	6,096	6,633	-8.10
Production	517	418	+23.68	5,104	4,404	+15.89
Ending Inventory	1,524	2,163	-29.54	-	-	-
INNER TUBES*						
Total Shipments						
Passenger & Motorcycle	403	521	-22.65	3,363	3,906	-13.90
Truck & Bus	1,094	1,315	-16.81	8,253	8,892	-7.19
Tractor-Implement	191	228	-16.23	1,557	1,470	+5.92
Industrial & Utility	146	160	-8.75	1,164	1,051	+10.75

* Inner Tube figures are for shipments only, not production.
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(Units are rounded and expressed in thousands)

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	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes
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July	3,506	236	119	112	337	161	156	4	91	361	261	395
CUMULATIVE	18,204	1,385	782	518	1,961	1,020	1,227	22	414	2,415	1,466	2,488
August	2,734	205	89	76	315	170	104	4	74	344	177	290
September	2,462	260	84	106	289	134	86	4	46	310	148	243
October	2,382	303	89	101	295	166	146	4	51	383	130	235
November	3,015	342	105	81	404	195	160	5	83	343	180	396
December	2,449	265	65	65	314	155	116	2	85	281	143	210
ANNUAL	31,246	2,759	1,213	946	3,578	1,840	1,838	40	752	4,077	2,244	3,862
1987												
January	2,625	247	106	56	298	168	187	2	28	301	140	328
February	2,440	320	146	121	323	152	169	6	35	416	137	413
March	3,345	334	161	107	424	173	166	2	43	292	155	441
April	2,961	318	167	112	352	167	143	3	50	285	136	422
May	3,095	385	169	76	339	159	160	6	52	364	169	388
June	3,345	317	141	89	395	192	168	3	81	253	153	407
July	3,266	290	134	53	433	123	105	2	49	255	157	439
CUMULATIVE	21,077	2,211	1,024	614	2,564	1,134	1,098	26	338	2,165	1,047	2,837
August												
September												
October												
November												
December												
% Change Month	-2.4	-8.5	-5.0	-40.4	9.6	-35.9	-37.5	-33.3	-39.5	.8	2.6	7.9
% Change Month 87 vs. 86	-6.8	22.9	12.6	-52.7	28.5	-23.6	-32.7	-50.0	-46.2	-29.4	-39.8	11.1
% Change Cumulative	15.8	59.6	30.9	18.5	30.7	11.2	-10.5	18.2	-18.4	-10.4	-28.6	14.0

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the RMA Tire Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission of their monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those developed by the Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenger service tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from factory to site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, cane and rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, baggage, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tractors. This category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by the U.S. government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the exception of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data is listed by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign countries into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
Lee Tire & Rubber Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

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RMA Industry Report

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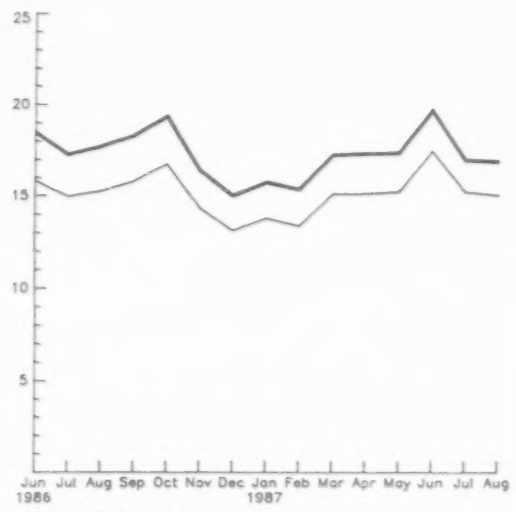
MONTHLY TIRE REPORT

August 1987

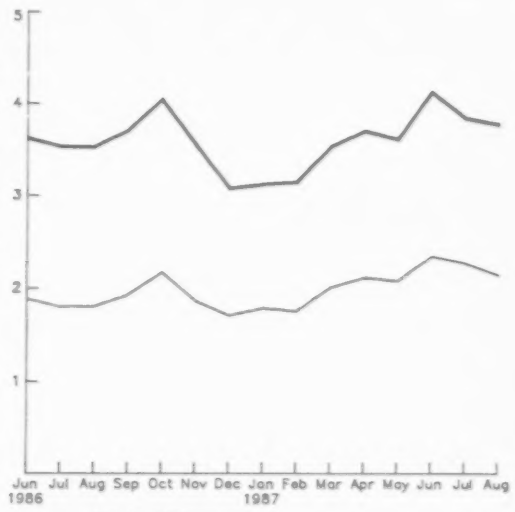
This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies so that the figures presented will represent 100% of the domestic U.S. tire market.

PASSENGER TIRE SHIPMENTS



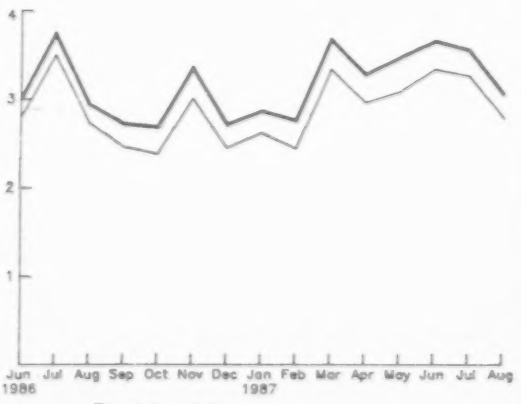
Figures in Millions of Units

TRUCK & BUS TIRE SHIPMENTS



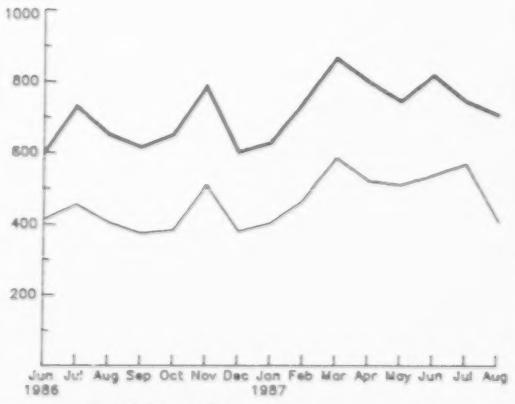
Figures in Millions of Units

PASSENGER TIRE IMPORTS



Figures in Millions of Units

TRUCK & BUS TIRE IMPORTS



Figures in Thousands of Units

Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for fifteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. August 1987 total shipments are down -4.7% from August 1986 for passenger tires, and up +6.9% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1986, passenger tire imports increased 101.1%, and truck and bus tire imports grew by 104.8%.